

Abstract

An enhanced bass drum pedal is provided with an eccentricity-adjustable cam system comprising a cam core
5 mounted on a rotating shaft, a cam member rotatably
connected to the cam core by a first pin, a positioning
member rotatably connected to the cam member by a second
pin, and a set screw. The positioning member is fastened
onto the cam core by the set screw at a selected position
10 of the positioning member to adjust the eccentricity of the
cam system relative to the axis of rotation. As a result, a
user can readily alter the impact force acted on a drum
head and the restoring force applied to the foot board
thereby tuning the bass drum pedal to suit the user's
15 playing style and ability.